

13

Corrections of the Manuscript Essay on the Manufacture
of Tin-Plate, by Samuel Parkes. For the next Volume of the
Memoirs of the Literary & Philosophical Society of Manchester.

After the words "English bariron of the finest quality" add
called Tin-Iron, and which is &c

Two lines farther, after the words, "for this particular purpose,
is first" add, cut to the necessary length and then rolled at the mill &c

At the bottom of the page where the size of the cast iron
rollers is described, add the following Note. "Since the above was
written, I have submitted the manuscript to a Gentleman who is very largely
engaged in the manufacture of tin plates, & he tells me that the cold rolls
which are employed in his work, are 30 Inches in diameter." Let the
mark of reference be at the words "if the diameter was larger."

At the page containing a description of the mode of making
the hard rolls, insert the following Note. "The art of making good
hard rolls appears to be very imperfectly understood, because the difficulty
of producing them is very great. Not one in three can be called thorough-
ly good. For, if they are not sufficiently hardened on the surface, they
will not wear; whereas, if they are made hard throughout, or struck
~~hard~~ hard, to the centre, as the workmen call it, they will generally
crack across the middle & become useless. This fault is quite independ-
ent of air bubbles or flaws, which are always discoverable in turning
by the lathe."

In explaining the difference between block and grain Tin,
after the words "smelted from an ore which is found in grains" add the
words, called Stream Tin ore, under beds of &c.

Two or three lines afterwards, instead of "washed from the
menis" say washed from the hills by a succession &c.

Where the method of cleaning the plates after Tinning, is
described, add, after the words "as they are cleaned, they are put into
strong wooden boxes", add, on boxes of ~~tin~~ ^{sheet iron}, made exactly &c &c.

In speaking of the erection of the first Tin-plate works
in Great Britain, I say "The first establishment of this kind was
I believe fixed in Monmouthshire, where it continued to flourish many
years." To this attach the following Note. "Upon farther enquiry I find
that this was at the Town of Pontypool, and it is remarkable that after
the lapse of nearly 100 years, the manufacture has recently been re-established
^{at the same Town,}
~~there~~ on a very extensive scale."

After the last paragraph of the essay, and instead of "many
thousand boxes" say, more than 100,000 boxes are annually exported.

James Parker
Author of the *Ch. Catechism*

W. Parker, Land Downham.

Author of
Chemical Catechism

Additions to be made to some of the Names of Members.

D^r Gibbs of Bath FRS.

D^r Granville FLS. MGS.

D^r H. Holland FRS. MGS.

D^r Lamb FLS.

M^r Wilson Lowry FRS. MGS.

D^r Rojet of London MGS.

M^r James Thomson FLS.



AUTOGRAPHE

de

Parkes

Samuel

OBSERVATIONS

1./ P.a.s., 1 p.fol., o.O.u.D., mit dem
Titel „Corrections of the Manuscript
Essay on the Manufacture of Tin Plate
by Samuel Parkes“. For de next Volume
of the Memoires of the Literary & Philosophical
Society of Manchester“. / Aus Sammlung Löwenfeld /.

P a r k e s, Samuel.

Erst Inhaber einer Leihbibliothek u. Schriftsteller / hauptsächlich theologischer / zu Stoubridge in Worcestershire, dann Seifensieder zu Stoke-upon-Trent von 1793 bis 1803, wo er sich als technischer Chemiker in London niederlässt / Quart. Journ. of Science, New Ser. Vol. I.ä /

geb. 1761, Mai 26 Stourbridge
gest. 1825, Dec. 23, London.

The chemical catechism, 8°, Lond. 1806, 12th edit 1825, new edit by W. Barker, 8°, Ib. 1854.
The rudiments of chemistry, Ib, 1810, 4th edit 18... Chemical essays on various subjects, principally relating to the arts and manufactures, 5 vol. 12°, Ib, 1815. ä On the freezing of wine, and on the detection of an error committed by Vauquelin respecting the specific gra-